

## **Asst. Prof. BANU YÜKSEL ÖZKAYA**

### **Personal Information**

**Email:** byuksel@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/byuksel>

### **Education Information**

Doctorate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Endüstri Mühendisliği, Turkey 2000 - 2006

Postgraduate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Endüstri Mühendisliği, Turkey 1998 - 2000

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 1994 - 1998

### **Foreign Languages**

English, C1 Advanced

German, B1 Intermediate

### **Dissertations**

Doctorate, Stochastic joint replenishment problem: A new policy and analysis for single location and two echelon inventory systems, Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 2005

Postgraduate, An Inventory model for randomly perishing goods, Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 2000

### **Research Areas**

Industrial Engineering , Stochastic Modeling, Stochastic Processes, Simulation, Discrete Simulation, Production Planning and Control, Inventory Systems, Engineering and Technology

### **Academic Titles / Tasks**

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2014 - 2018

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2007 - 2009

### **Academic and Administrative Experience**

Hacettepe Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2009 - 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Quantifying the advantage of a kitting system using Petri nets: a case study in Turkey, modeling, analysis, and insights**  
VATANKHAH BARENJI R., YÜKSEL ÖZKAYA B., Barenji A. V.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.93, pp.3677-3691, 2017 (SCI-Expanded)
- II. **Discovering Blood Donor Arrival Patterns Using Data Mining: A Method to Investigate Service Quality at Blood Centers**  
TESTİK M. C., ÖZKAYA B., AKSU S., ÖZCEBE O. İ.  
JOURNAL OF MEDICAL SYSTEMS, vol.36, no.2, pp.579-594, 2012 (SCI-Expanded)
- III. **On the Expected Parts Per Million Nonconforming Levels Obtained from Estimated Process Capability Indices**  
ÖZKAYA B., TESTİK M. C.  
QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL, vol.26, no.8, pp.817-829, 2010 (SCI-Expanded)
- IV. **Analysis of the (s, S) policy for perishables with a random shelf life**  
GÜRLER Ü., YÜKSEL ÖZKAYA B.  
IIE TRANSACTIONS, vol.40, no.8, pp.759-781, 2008 (SCI-Expanded)
- V. **The Stochastic joint replenishment problem: A new policy, analysis, and insights**  
Ozkaya B., Guerler U., Berk E.  
NAVAL RESEARCH LOGISTICS, vol.53, no.6, pp.525-546, 2006 (SCI-Expanded)
- VI. **A note on "Continuous review perishable inventory systems: models and heuristics"**  
Gurler U., Ozkaya B.  
IIE TRANSACTIONS, vol.35, no.3, pp.321-323, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Building inventory management system by using stochastic inventory model for critical spare parts used for maintenance of construction machines**  
KASAP N., Bicer I., YÜKSEL ÖZKAYA B.  
ISTANBUL UNIVERSITY JOURNAL OF THE SCHOOL OF BUSINESS, vol.39, no.2, pp.310-334, 2010 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Gün İçi Kan Bağış Sayılarının Homojen Olmayan Bileşik Poisson Süreci Olarak Modellenmesi**  
SÖNMEZ V., TESTİK M. C., YÜKSEL ÖZKAYA B.  
Yöneylem Araştırması Endüstri Mühendisliği Sempozyumu, Turkey, 07 July 2009 - 08 July 2007
- II. **Kan Merkezi Hizmet Kalitesinin İyileştirilmesine Yönelik Bir Simülasyon Çalışması**  
SÖNMEZ V., TESTİK M. C., YÜKSEL ÖZKAYA B.  
Yöneylem Araştırması Endüstri Mühendisliği Sempozyumu, Turkey, 7 - 08 July 2008
- III. **Multi-robot routing with rewards and disjoint time windows**  
Melvin J., Keskinocak P., Koenig S., Tovey C., YÜKSEL ÖZKAYA B.  
IEEE/RSJ International Conference on Intelligent Robots and Systems, California, United States Of America, 29 October - 02 November 2007, pp.2338-2339

## Supported Projects

YÜKSEL ÖZKAYA B., Project Supported by Higher Education Institutions, Kan Merkezi Stok Kontrol Politikalarının

Değerlendirilmesi, 2011 - 2020

## **Metrics**

Publication: 10

Citation (WoS): 120

Citation (Scopus): 62

H-Index (WoS): 5

H-Index (Scopus): 3

## **Non Academic Experience**

Hacettepe Üniversitesi

Georgia Institute of Technology

Bilkent Üniversitesi